SEQUENCE LISTING

- (1) GENERAL INFORMATION:
 - (i) APPLICANTS: Clinton, Gail and Doherty, Joni Kristin
 - (ii) TITLE OF INVENTION: HER-2 BINDING ANTAGONISTS
 - (iii) NUMBER OF SEQUENCES: 9
 - (iv) CORRESPONDENCE ADDRESS:
 - (A) ADDRESSEE: DAVIS WRIGHT TREMAINE
 - (B) STREET: 1501 Fourth Avenue, 2600 Century Square
 - (C) CITY: Seattle
 - (D) STATE: Washington
 - (E) COUNTRY: U.S.A.
 - (F) ZIP: 98101
 - (v) COMPUTER READABLE FORM:
 - (A) MEDIUM TYPE: Floppy disk
 - (B) COMPUTER: PC compatible
 - (C) OPERATING SYSTEM: Windows 95
 - (D) SOFTWARE: Word
 - (vi) CURRENT APPLICATION/DATA:
 - (A) APPLICATION NUMBER: to be assigned
 - (B) FILING DATE: 19 January 1999
 - (C) CLASSIFICATION:
 - (viii) ATTORNEY/AGENT INFORMATION:
 - (A) NAME: Oster, Jeffrey B.
 - (B) REGISTRATION NUMBER: 32,585
 - (C) REFERÉNCE/DOCKET NUMBER: OHSU-1
 - (ix) TELECOMMUNICATION INFORMATION:
 - (A) TELEPHONE: 206 628 7711
 - (B) TÉLEFAX: 206 628 7699
- (2) INFORMATIÓN FOR SEQ ID NO:1:
- 40 (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 79
 - (B) TYPE: polypeptide
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: unknown
 - (i‡⁄) MOLECULE TYPE: HER-2 ECD antagonist
 - (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:

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Wp5

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	Gly Thr	His Se	er Leu 5	Leu	Pro	Arg	Pro	Ala	a Ala	ı Val	. Pro	Va]	l Pro	o Leu
5	Arg Met	Gln Pi 20	co Gly	Pro	Ala	His	Pro		Leu	Ser	Phe	Leu 30	ı Arç	g Pro
	Ser Trp	Asp Le	eu Val	Ser	Ala	Phe	Tyr	Ser	Leu	ı Pzec	Leu 45	ı Ala	a Pro	Leu
	Ser Pro				55					60				
10	Asp Pro 65	Asp Al	a His	Val 70	Ala	Val	Asn	Leu	1/Sex 75	Arg	Tyr	Glu	ı Gly	7 79
	(2) INF	ORMATIC	N FOR	SEQ	ID :	NO:2	:	//						
15 - 1020	(ii	(B) (C)	LENGTI TYPE: STRANI TOPOLO ULE TY	H: 4: prot DEDNI DGY: YPE:	19 Tein ESS: unki "pol <i>j</i>	sin nown	gle	ID N	/ O:2:					
12 12 12 12 12 12 12 12 12 12 12 12 12 1	Met Gl	u Leu A	la Ala	a Ley	Cys	s Arg	g Trị	o Gl	y Le	u Le	u Le	u Al	a Le	u Leu
25	Pro Pro	Gly Al	a Ala	Ser	Thr	Gln	Väl	10 Cys	Thr	Gly	Thr	Asp	15 Met	Lys
j	Leu Arg		20					25					3.0	
<u> </u> :=		35					40					45		
[<u>]</u> 30	Leu Tyr	50	y Cys	GIn	Val	Val 55	Glņ	Gly	Asn	Leu	Glu 60	Leu	Thr	Tyr
	Leu Pro 65	,	/		70					75	Ile			
	Gln Gly 80	Tyr Va	l Leu	Ile 85	Ala	His	Asn	Gln	Val 90	Arg	Gln	Val	Pro	Leu
35	Gln Arg	/	100	Val				105	Leu				110	
	Ala Leu	Ala Val	. Leu	Asp	Asn	Gly	Asp 120	Pro	Leu	Asn	Asn	Thr 125	Thr	Pro
40	Val Thr	Gly Ala 130	Ser			135	Leu				140	Leu		
	Leu Thr/				Gly 150	Gly				155	Arg			
	Leu Cys	Tyr Glr	Asp '	Thr :	Ile	Leu	Trp	Lys	Asp 170	Ile	Phe	His	Lys	
45	Asn Gln	Leu Ala			Leu	Ile		Thr 185	Asn	Arg	Ser	Arg	Ala 190	175 Cys

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His Pro Cys Ser Pro Met Cys Lys Gly Ser Arg Cys Trp Gly Glu Ser
                  195
      Ser Glu Asp Cys Gln Ser Leu Thr Arg Thr Val Cys Ala Gly Gly Cys
                                   215
                                                       220
  5
     Ala Arg Cys Lys Gly Pro Leu Pro Thr Asp Cys Cys His/Glu Gln Cys
          225
                              230
     Ala Ala Gly Cys Thr Gly Pro Lys His Ser Asp Cys Leu Ala Cys Leu
                                               250
     His Phe Asn His Ser Gly Ile Cys Glu Leu His Cys Pro Ala Leu Val
 10
                                           265
     Thr Tyr Asn Thr Asp Thr Phe Glu Ser Met Pro Asm Pro Glu Gly Arg
                  275
                                       280
     Tyr Thr Phe Gly Ala Ser Cys Val Thr Ala C/s Pro Tyr Asn Tyr Leu
              290
                                   295
                                                       300
 15
     Ser Thr Asp Val Gly Ser Cys Thr Leu Va Cys Pro Leu His Asn Gln
                              310
                                                   315
     Glu Val Thr Ala Glu Asp Gly Thr Gln/Arg Cys Glu Lys Cys Ser Lys
                          325
                                               330
Pro Cys Ala Arg Gly Thr His Ser Lew Leu Pro Arg Pro Ala Ala
€20
                  340
Val Pro Val Pro Leu Arg Met Gln Pro Gly Pro Ala His Pro Val Leu
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                  355
                                      360
Ser Phe Leu Arg Pro Ser Trp Asp Leu Val Ser Ala Phe Tyr Ser Leu
     Pro Leu Ala Pro Leu Ser Pro/Thr Ser Val Pro Ile Ser Pro Val Ser
                                                   395
     Val Gly Arg Gly Pro Asp Pro Asp Ala His Val Ala Val Asn Leu Ser
400
<u>.=</u>
                          405
                                               410
                                                                   415
Arg Tyr Glu Gly
                        419
30
      (2) INFORMATION FOR SEQ ID NO:3:
ij
Į.
           (i) SEQUENCE CHARACTERISTICS:
                (A) LENGTH: 19
 35
                (B) TYPE: nucleic acid
                (C) STRANDEDNESS: single
                (D) TØPOLOGY: unknown
          (ii) MOLECVLE TYPE: oligonucleotide
          (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
 40
      TGAGCACCAT GGAGCTGGC 19
     (2) INFORMATION FOR SEQ ID NO:4:
 45
          (i)/SEQUENCE CHARACTERISTICS:
                (A) LENGTH: 22
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	(B) TYPE: nucleic acid
	(C) STRANDEDNESS: single
	(D) TOPOLOGY: unknown
5	(ii) MOLECULE TYPE: oligonucleotide
3	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
	TCCGGCAGAA ATGCCAGGCT CC 22
10	(2) INFORMATION FOR SEQ ID NO:5:
	(i) SEQUENCE CHARACTERISTICS:
	(A) LENGTH: 22
	(B) TYPE: nucleic acid
1.5	(C) STRANDEDNESS: single
15	(D) TOPOLOGY: unknown
	(ii) MOLECULE TYPE: oligonucleotide (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5.
	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
© ■20	AACACAGCGG TGTGAGAAGT GC 22
### ### ### ### ### 25	(2) INFORMATION FOR SEQ ID NO:6
Æ	(i) SEQUENCE CHARACTERISTICS:
lu je	(A) LENGTH: 21
= 25	(B) TYPE: nucleic acid
Simus Si	(C) STRANDEDNESS: single
	(D) TOPOLOGY: yhknown
4	(ii) MOLECULE TYPE: oligonucleotide
===30	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
	ATACCGGGAC AGGTCAACAG C 21
	Minecooone Addicancay C 21
	(2) INFORMATION FOR SEQ ID NO:7:
	(i) SEQUENCE CHARACTERISTICS:
35	(A) LENGTH: 20
	(B) TYPE: nucleic acid
	(C) STRANDEDNESS: single
	(D) TOPOLOGY: unknown
40	(ii) MOLECULE TYPE: oligonucleotide
40	(xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
	TCTGGGTACC CACTCACTGC 20
	(2) INFORMATION FOR SEQ ID NO:8:
45	(i) SEQUENCE CHARACTERISTICS:
	(A) LENGTH: 22
	/

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- (B) TYPE: nucleic acid
- (C) STRANDEDNESS: single
- (D) TOPOLOGY: unknown
- (ii) MOLECULE TYPE: oligonucleotide
- (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:

TTCACACTGG CACGTCCAGA CC 22

- (2) INFORMATION FOR SEQ ID NO:9:
 - (i) SEQUENCE CHARACTERISTICS:
 - (A) LENGTH: 27
 - (B) TYPE: nucleic acid
 - (C) STRANDEDNESS: single
 - (D) TOPOLOGY: unknown
 - (ii) MOLECULE TYPE: oligonucletide
 - (xi) SEQUENCE DESCRIPTION: \$60 /ID NO:9:

GCACGGATCC ATAGCAGACT GAGGAGG 27